



## Subject card

Subject name and code	History of Transport, PG_00056488						
Field of study	Mechanical Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2021/2022		
Education level	first-cycle studies		Subject group		Optional subject group Humanistic-social subject group		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers		dr inż. Daniel Piątek				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
	Adresy na platformie eNauczanie:						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		1.0		9.0	25
Subject objectives	The lecture aims to provide important knowledge of the development of means of transport, from the earliest times to the present day, with prognosis for the coming years.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U11] is able to analyse the operation of devices and compare the construction solutions applying usage, safety, environmental, economic and legal criteria		The student knows the historical development of systems and means of transport, especially in terms of improving technical and economic parameters		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W12] possesses basic knowledge necessary to understand the ex-technical conditions of engineering activity, possesses basic knowledge on management, including quality management and running commercial enterprise, within the range of protection of intellectual property and patent law; knows general principles of creating and developing forms of individual entrepreneurship and basic HSE rules applicable to machine industry		The student is able to relate the directions of development of systems and means of transport with human transport needs		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		
	[K6_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning, critically assesses the possessed knowledge; is aware of the importance of professional conduct and following the rules of professional ethics; is able to show resourcefulness and innovation in the realisation of professional projects		The student knows the role of transport in the development of human civilization, can also determine its negative effects		[SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work		

Subject contents	Introductory news		
	<ul style="list-style-type: none"> <li>- causes and development of transport in human history;</li> <li>- technical conditions of particular types of transport;</li> <li>- peak performance of individual modes of transport;</li> </ul>		
	<p>Water - sea transport:</p> <ul style="list-style-type: none"> <li>- antiquity (Egypt, Phoenicians, Greeks, Romans);</li> <li>- Middle Ages (Vikings, Slavs, great geographical discoveries, Hanseatic League, sea powers);</li> <li>- modernity (technical progress, passenger shipping, warships);</li> </ul>		
	<p>Water transport - inland:</p> <ul style="list-style-type: none"> <li>- rafting down the Vistula in the history of Poland;</li> <li>- Polish folk boatbuilding;</li> <li>- historical shaping of the Gdańsk Water Junction;</li> </ul>		
Prerequisites and co-requisites	Railway transport:		
	<ul style="list-style-type: none"> <li>- the beginnings of railways in the world;</li> <li>- spectacular railway achievements (records, railroad in the US, Orient Ekspress)</li> <li>- the beginnings of railways in Poland;</li> <li>- development of railways in Poland (mechanization, electrification, Pm36-01, Lux Torpeda)</li> <li>- the historical development of the Gdańsk Railway Junction (bridges in Tczew, Żuławska Access Railway, Magistrala Węglowa)</li> </ul>		
	no requirements		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	essay (or)	60.0%	50.0%
	test (or)	60.0%	50.0%

Recommended reading	Basic literature	<p>Batchelor J. i Chant Ch., Encyklopedia statków żaglowych od 2000 p.n.e. do 2007 n.e., Warszawa 2006</p> <p>Cieślak E., (red. Pracy zbiorowej) Historia budownictwa okrętowego na Wybrzeżu Gdańskim, Gdańsk 1972</p> <p>Drapella Z., Zdobnictwo okrętów, Gdańsk, 1969</p> <p>Kozłowski B., Dzieje okrętu, Katowice, 1956</p> <p>Lech A., Architektura statków i okrętów, projektowanie i konstrukcja, Gdańsk 2010</p> <p>Litwin J., Morskie dziedzictwo Gdańska, Gdańsk 1998</p> <p>Mickiewicz M., Z dziejów żeglugi, Warszawa 1971</p> <p>Urbański P., Pędniki okrętowe. Historia i rozwój, Gdańsk 2001</p> <p>Smolarek P., Dawne żaglowce, Gdynia 1963</p> <p>Smolarek P., Zabytki szklenictwa skandynawskiego, Gdańsk 1963</p>
	Supplementary literature	no
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	